

Variance Application Instructions [Non ASME-Standard Vessel]

*The following documentation is required in order to petition the Indiana Boiler and Pressure Vessel Rules Board for a variance applicable to new or existing boilers or pressure vessels that are **not** constructed and stamped in accordance with the requirements of the ASME Code (ASME Standard).*

1. An application must be submitted that consists of a letter from the owner or user of the vessel (or their designated agent), requesting that a non-standard vessel be installed or approved for use in Indiana.
2. When the application is submitted on the applicants behalf, a signed statement by the applicant that the applicant is aware of the variance request and that it is made on the applicants behalf.
3. The name and address of the applicant and the name and address of the person submitting the application, if it is not the applicant.
4. Two (2) of the following:
 - a. A specific description of the undue hardship that compliance with the rule will impose on the applicant, and either;
 - b. A statement that noncompliance with the rule will not be adverse to the public health, safety or welfare and a specific explanation as to why that is so, or;
 - c. Alternative action(s) the applicant will undertake in lieu of compliance with the rule to ensure the granting of variance will not be adverse to public health, safety or welfare and a specific explanation as to why it or they would be adequate.
5. Detailed drawings that fully describe the vessel geometry, including the joint configuration of all nozzles, attachments and other joined materials.
6. In the case of vessels in prior service, documentation verifying the results of ultrasonic or other thickness testing that is sufficiently comprehensive to establish current representative thicknesses of the components and materials of which the vessel and nozzles are fabricated.
7. Certified material test reports, or results of examinations or tests that identify the chemical and physical properties of all materials of construction.
8. Engineering calculations made in accordance with the applicable edition and section of the ASME code that are certified by a Registered Professional Engineer licensed in Indiana.
9. Documentation that will verify that all welding performed in the fabrication of the vessel is equivalent to the requirements in Section IX of the ASME code and the other sections of the ASME code(s) applicable to the type of vessel under consideration for variance.
10. Documentation to verify that examination and testing (including NDE) were, or will be, completed that meets or exceeds the minimum requirements stated in the applicable ASME code that would have been applicable during fabrication.
11. Any other information which the applicant believes may be helpful to the Rules Board in evaluating the request for variance. *Examples would be photographs or rubbings of any existing data plate(s), photographs of the vessel itself, and its general setting, photographs and/or data sheets pertinent to the Safety Valve or other Over Pressure Protective Device(s) that may be installed to protect the vessel.*
12. As per 675 IAC 12-3-13 *et seq.*, any request for variance shall be accompanied by a check made payable to the Boiler and Pressure Vessel Rules Board in the amount of two hundred dollars (\$200). If an in-depth evaluation of the engineering data by the Rules Board is necessary (as will surely be true in the case of a non-ASME standard vessel), an additional fee of five hundred dollars (\$500) is applicable.

Four (4) sets of all information required as noted above shall be submitted by the applicant prior to the 10th day of the month proceeding the month of the next regularly scheduled meeting of the Rules Board. Regular meetings of the Rules Board are generally set for the first Wednesday of the months of March, June, September and December.

Please see the Boiler and Pressure Vessel Safety Section web links for specific dates, times and locations.

Note: It is useful, even desirable in this day and age, to receive this information in an electronic format. When submitted in electronic format, it is much easier to disseminate the information to the Boiler and Pressure Vessel Rules Board, and when submitted electronically, multiple copies do not need to be submitted.

The application package, consisting of the items noted above, shall be submitted to;

Boiler and Pressure Vessel Safety Section
Division of Fire and Building Safety
Indiana Department of Homeland Security
Indiana Government Center South, Room E 241
302 West Washington Street
Indianapolis, Indiana 46204-2739
Tel: 317.232.2222 Fax 317.232.0146 Email
BPV@dhs.in.gov

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